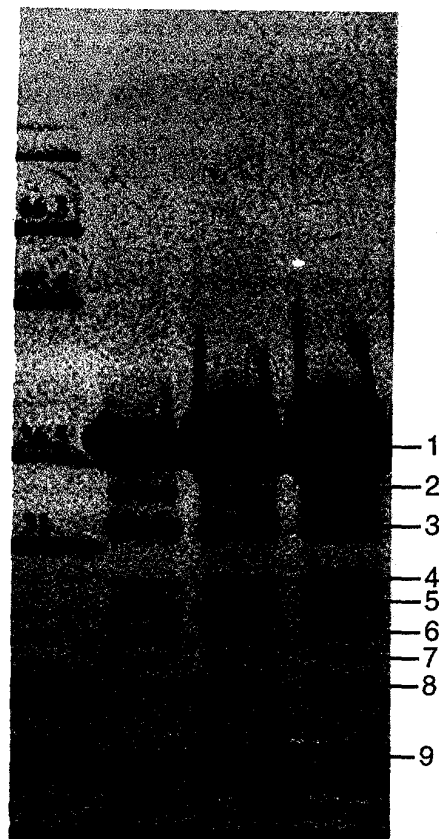


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**FIG. 1**

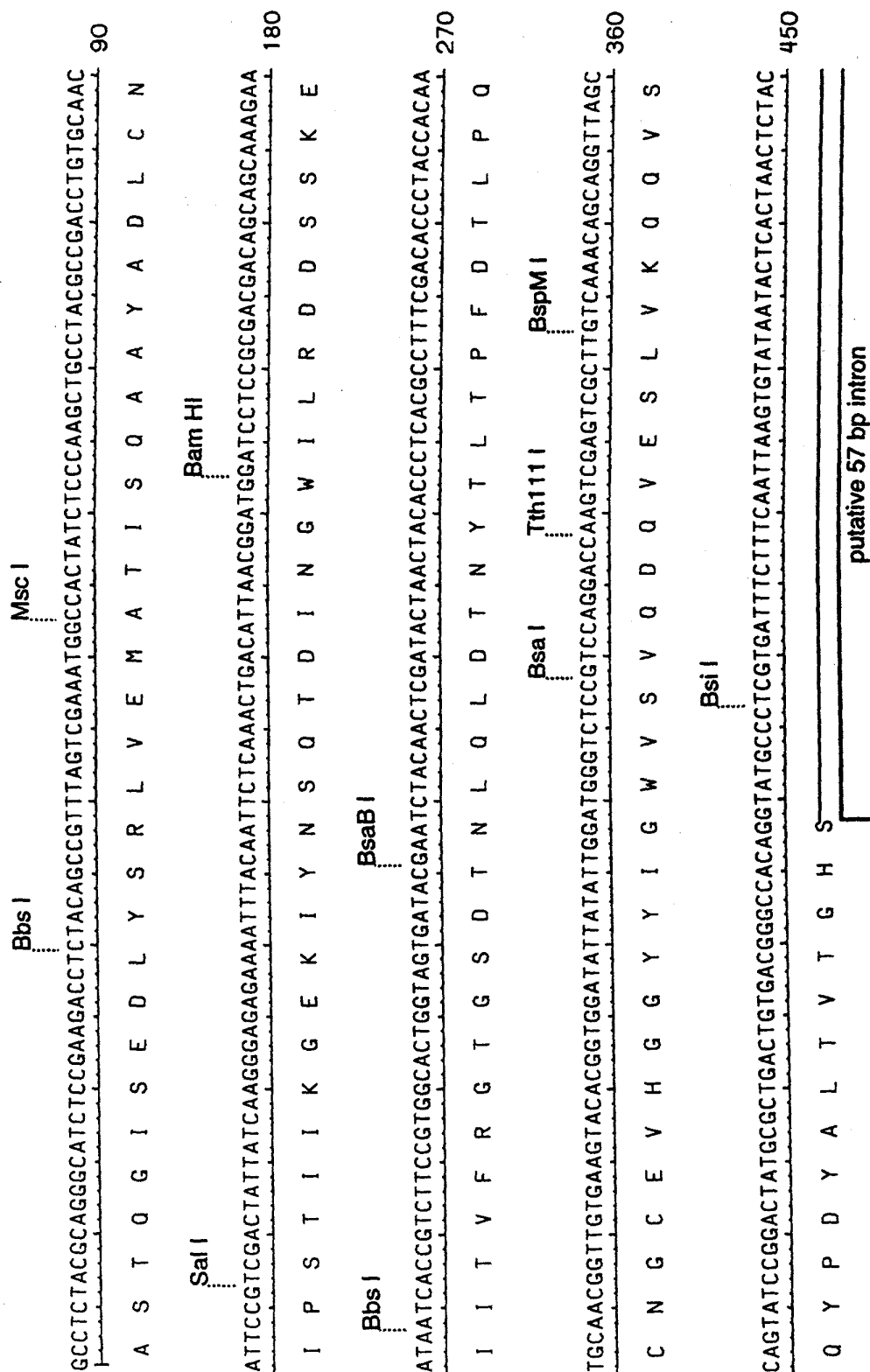
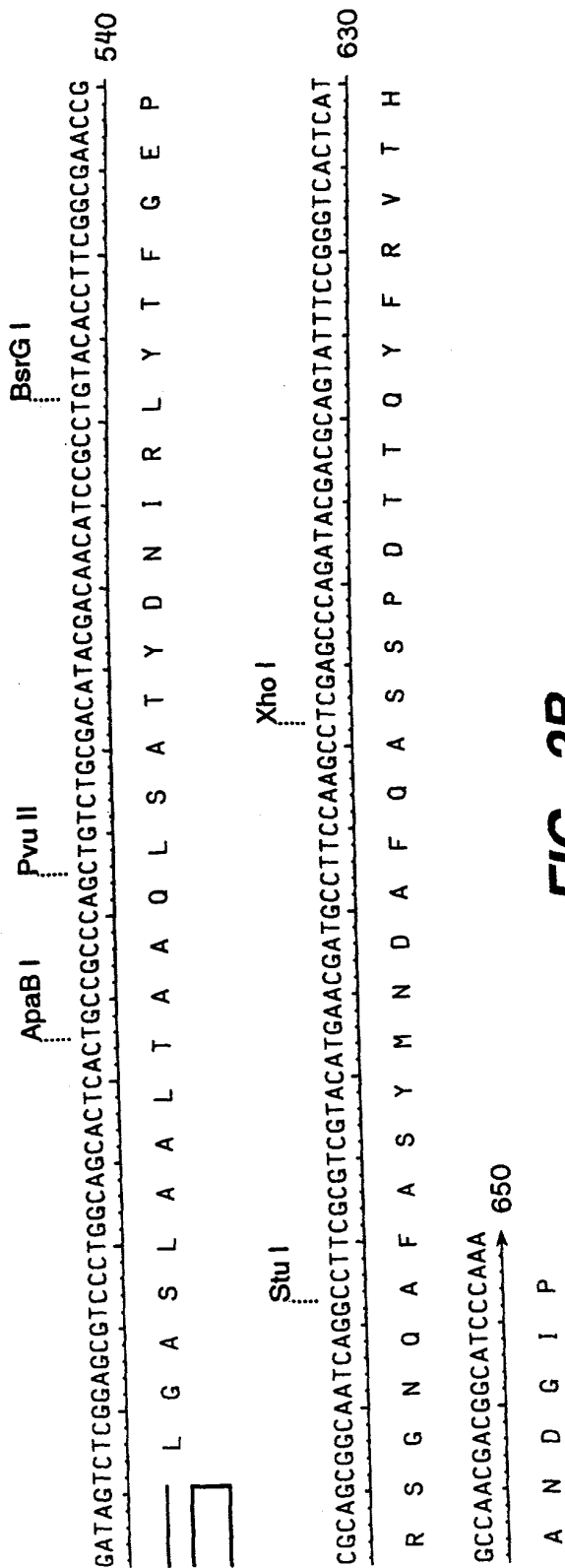
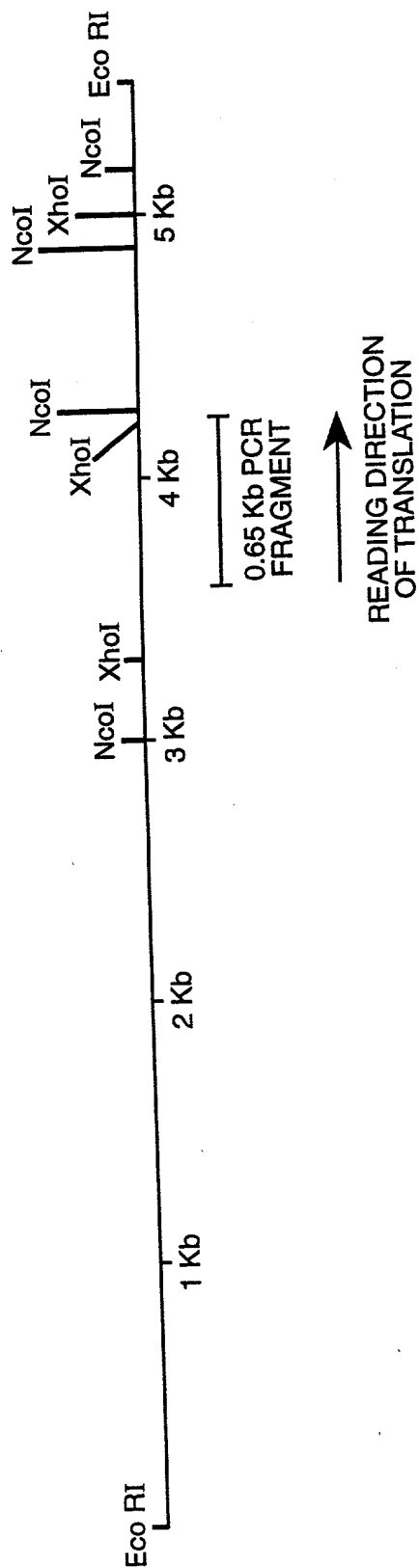


FIG. 2A





**FIG. 3**

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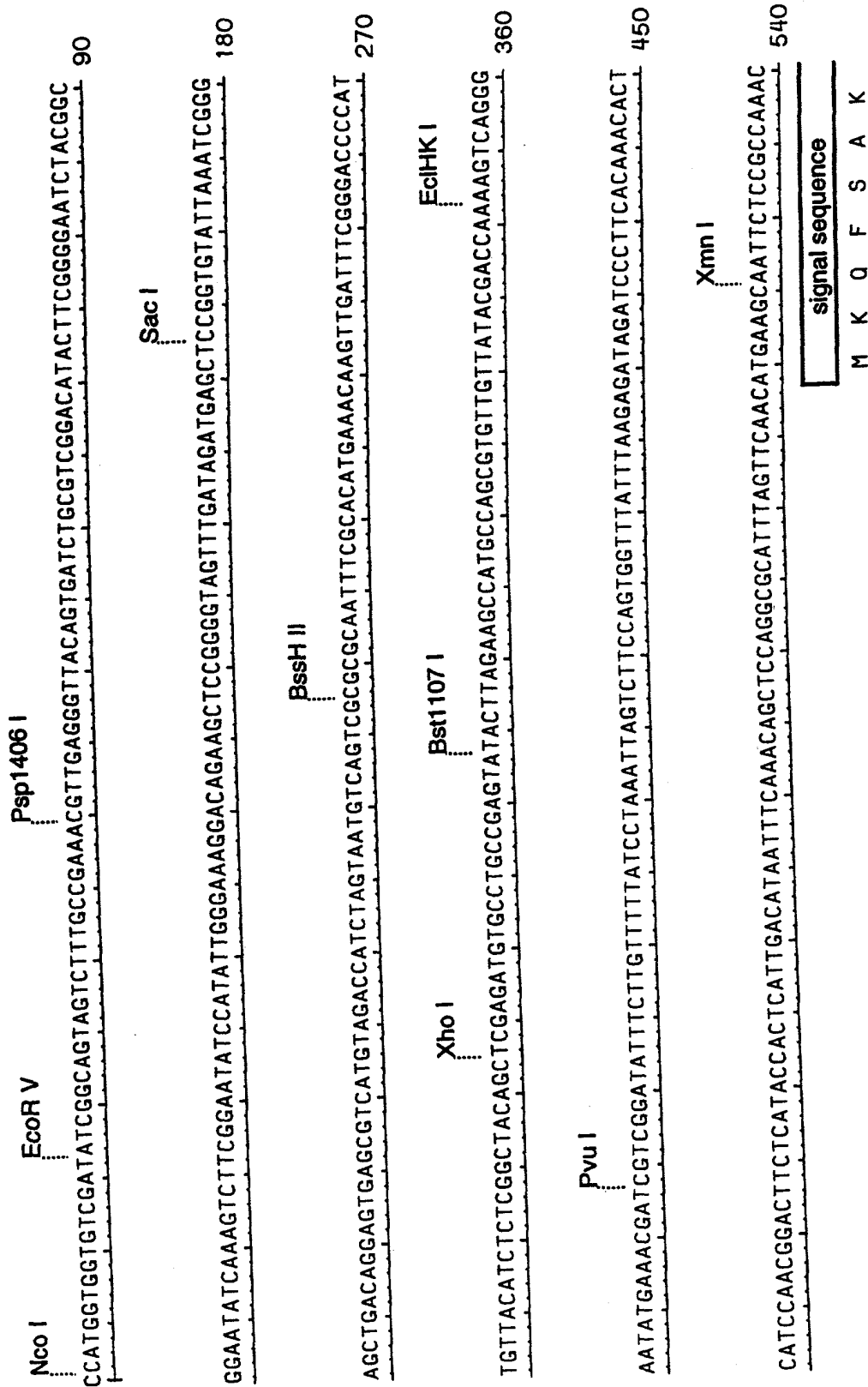


FIG. 4A

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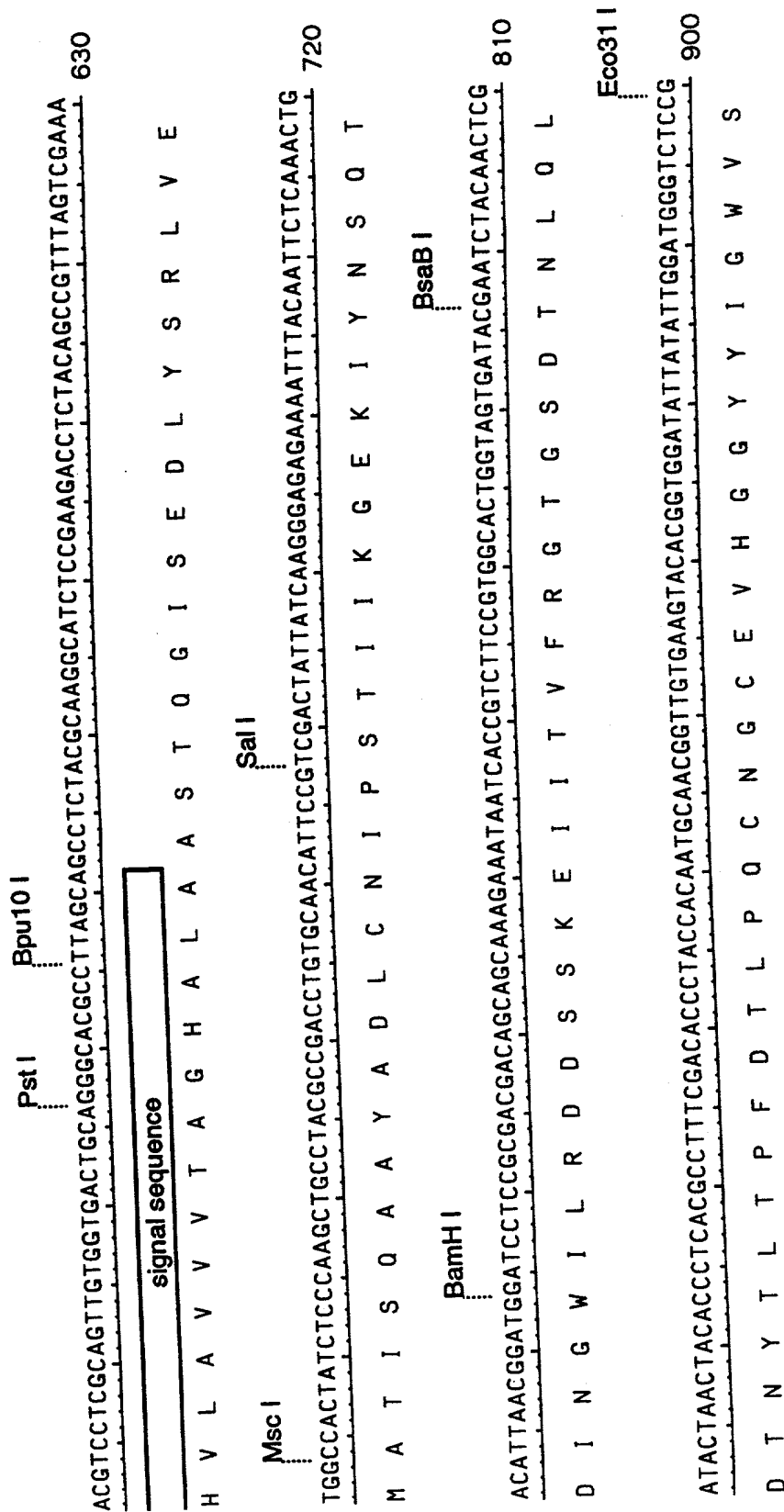


FIG. 4B

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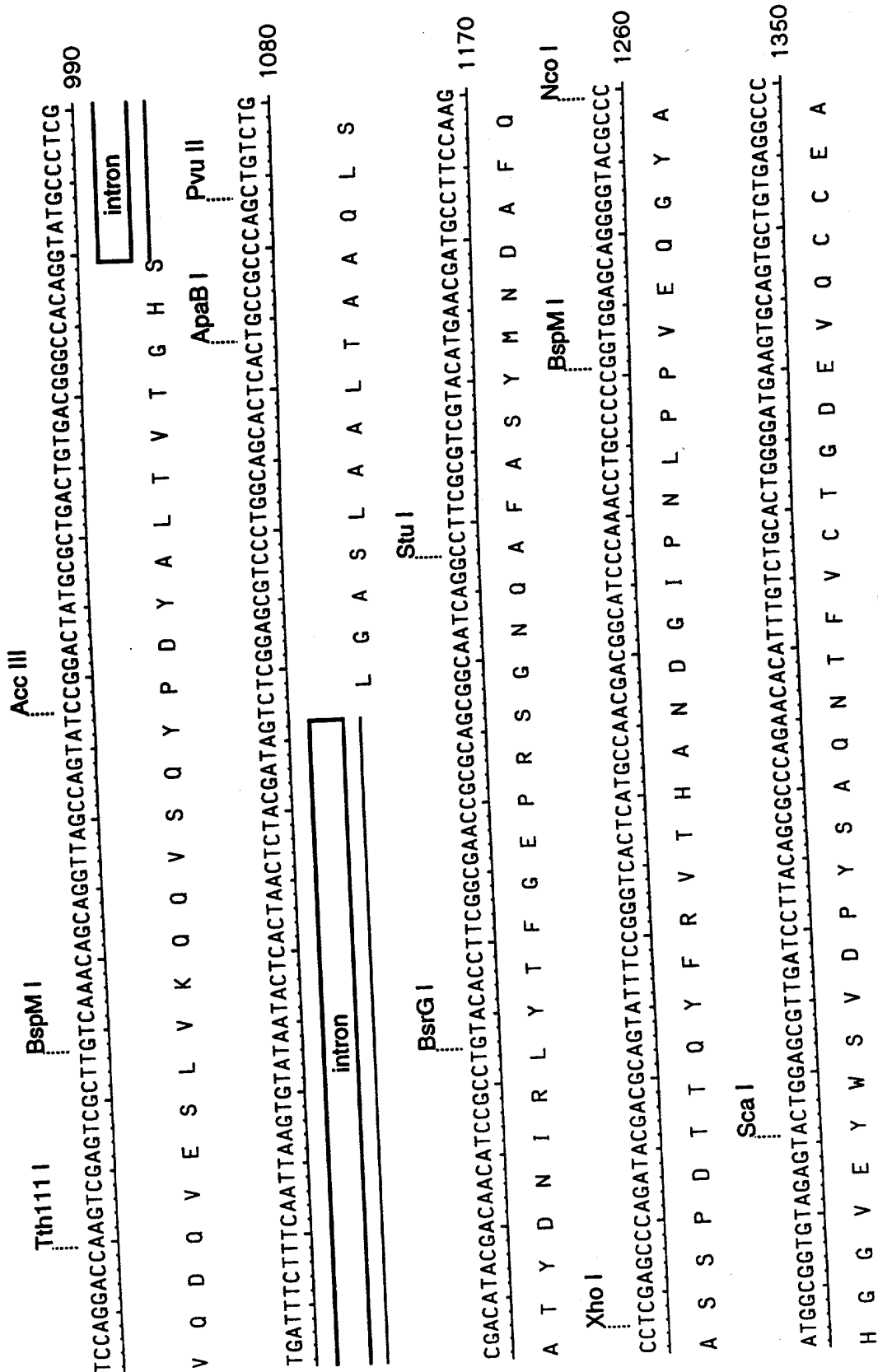


FIG.-4C



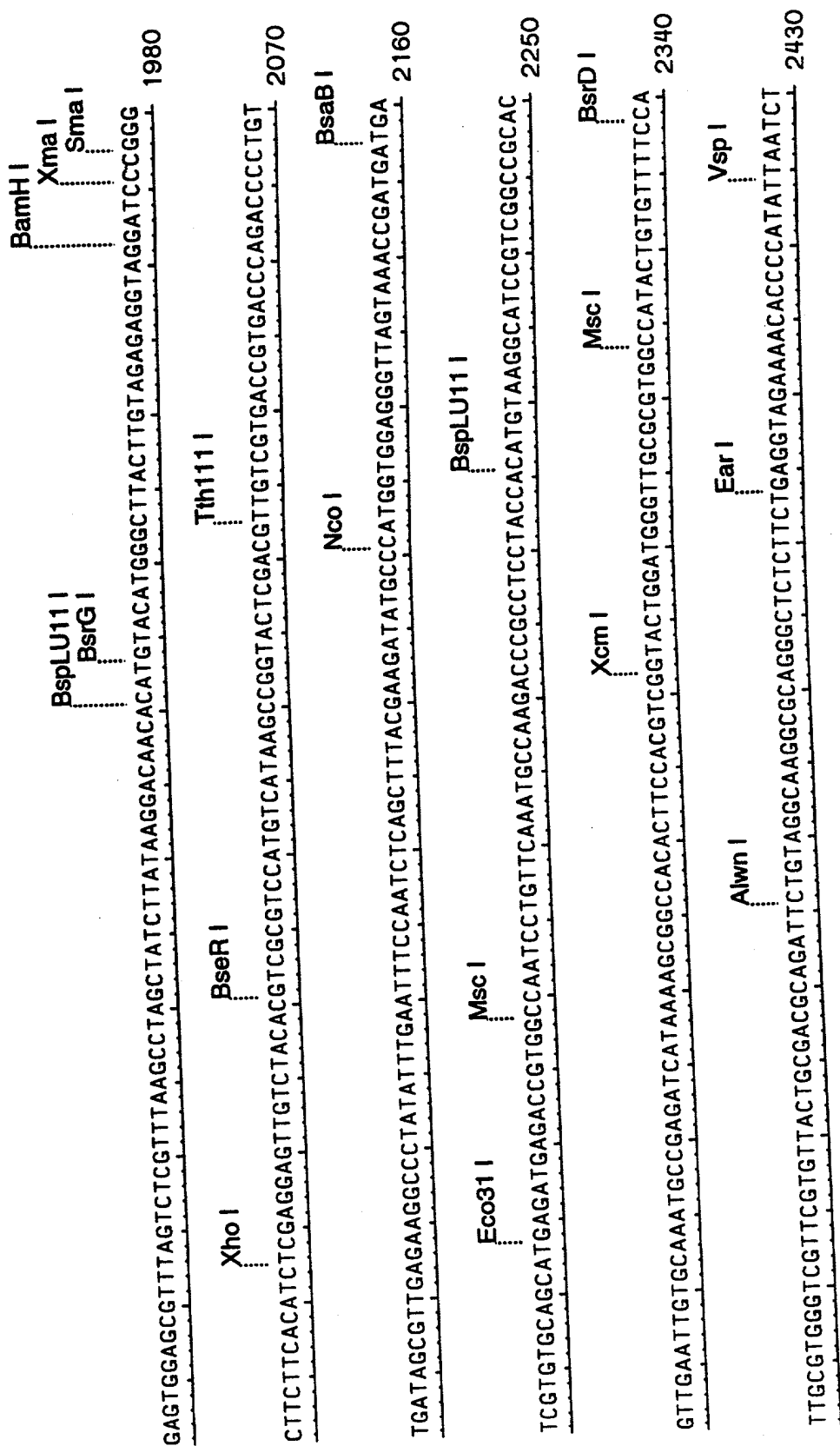
**FIG. 4D**



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EcoRI

GAATTC

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FIG. 4E

CCATGGTGGTGCATATCGGCAGTAGTCTTTGCGGAAACGGTTGAGGGTTACAGTGATCTGCGTCGGACATACCTT  
CGGGAACTACGGCGGAAATATCAAGTCTTCGGAAATATCCATATTGGGAAAGGACAGAAAGCTCCGGGGTAGTTT  
GATAGATGAGCTCCGGTGTAATAATCGGGAGCTGACAGGAGTGAGCGTCACTGTAGACCATCTAGTAATGTCAGT  
CGCGGCAATTTCCGACATGAAACAAGTTGATTTCCGGGACCCCATTTGTACATCTCTCGGCTACAGCTCGAGATG  
TGCCCTGCCGAGTATACCTTAGAAGCCATGCCAGCGTGTGTTTATACGACCAAAAGTCAGGGAATATGAAACGATCG  
TCGGATATTTCTTGTGTTTATCCTAAATTAGTCTTCAGTGTTTATTTAAGAGATAGATCCCTTCACAAACACT  
CATCCAAACGGAATCTCTCATACCACTGATGACATAATTTCAACAGCTCCAGGCGCATTTAGTTCAACATGAAGC  
AATCTCCGCCAAACACGTCCTCGCAGTTGTGTTGAGTCTGCAAGGCAAGCTTAGCAGCTCTACGCAAGGCATCT  
CCGAAGACCTCTACAGCCGTTTAGTCTGAAATGCGCACTATCTCCCAAGCTGCTACGCGGACCTCTCCGCGACGACA  
CGTCGACTATTTATCAAGGAGAGAAAATTTACAAATCTCAAACTGACATTAACGGATGGAATCTCCGCGACGACA  
GCAGCAAGAAATAATCACCGTCTTCCTCGTGCGACTGGTAGTGATACGAACTCTACAACTCAGTAACTAACACCC  
TCACGCCCTTCGACACCCACCAATGCAACGGTTGTGAAGTACACGGTGGAATATTATATTGATGGGTCTCCG  
TCCAGGAACAAGTCGAGTCGCTTGTCAAAACAGCAGGTTAGCCAGTATCCGGACTATGCGCTGACTGCGACGGGCC  
ACAGGTAAGCCCTCGTGATTTCTTCAATTAAGTGATATACTCACTCACTACGATAGTCTCGGAGCGGTCCC  
TGGCAGCACTCACTGCCCGCCAGCTGTCTGCGACATACGACAACTCCGCTGTACACCTTCGGCGAACCCGCGCA  
GGGCAATCAAGGCCCTTCGCTCGTACATGAACGATGCCCTTCGAGCCAGCTCAGATACGACGCGCATTTTCC  
GGTCACTCATGCCAACGACGGCATCCCAACCTGCCCGGCGGAGCAGGGGTACGCCCATGCGCGGTGTAGAGT  
ACTGGAGCGTTGATCCTTACAGCGCCCAAGAACACATTTGTCTGCACCTGGGATGAAGTGCAGTCTGTGAGGCC  
AGGCGGACAGGGTGTAATAATGCGCACACGACTTATTTTGGGATGACGAGCGGAGCTGTACATGGTGATCAG  
TCAATTCAGCTCCCGAGTGTAACAGGAAGATGGATGTCTCCGAGAGGCAATGCAATGTACGTATACCCGAAGC  
ACACTTTTCGGTAATCAGGACATGTAATAAGTTCTCTCCATGAAATAGATATGGTTACCTCACCATAAAGCCTT  
GAGGTGCCCTTCTCTTTGATGTTGAAATATAATTTAAAGTAGATGACAGATATCTCTAAACACCTTATCCGCT  
TAAACCCATCATAGATTGTGTACGTTGATAGACCCCTTGAATGATGAGCGAAATGTATCAGTCCCGTTTAAATCA  
AACCCCTTCAGCTAGCACAGTCAGAAATACACCAACCCCATTTCTAAAGGTAGTACTAAATATGAATACAGCCTAAA  
TGCAATCGCTATATGATCCCATAAAGAACCAACCTTTTCAGATCTCGTTTTCGCTGCGGAGAGCTAGCTCTAC  
CATGGTCTCAATATAGTGGAGCGTTTGTAGTCTCGTTTAAAGCTAGCTATCTTATAAGGACAAACATGTACATG  
GGCTTACTGTAGAGAGTACCGGGCTTCTTCACTCTCAGGAGTTGTCTACACGTCGCGTCCATGTCA  
TAAAGCCGGTACTCGACGTTGTGTCGTCAGCCGTCACCCCTGTTGATAGCGTTGAGAAAGGCCCTATATTGAA  
TTTCCCAATCTCAGCTTACGAAGATATGCCCATGGTGAGGGTTAGTAAACCGATGATGATCGTGTGACGATGA  
GATGAGACCGTGCCCAATCCTGTTCAAATGCCAAGACCCGCTCTCAACCATGTAAAGCATCCGTGCGCCGAC  
GTTGAATGTGCAAAATGCCGAGATCATAAAGGGCCACACTTCCAGTCGGTACTGGATGGGTGCGCGTGGCC  
ATACTGTGTTTCCATTGCGTGGGTGCTCGTTTCTGCGACGCGAGATTCTGTAGGCAAGGCGCAGGCTCTCT  
TCTGAGGTAGAAAAACACCCCATATTAATCTGAATTCT

FIG. 5

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1 2 3 4 5 6 7 8 9 10 11 12 13 14



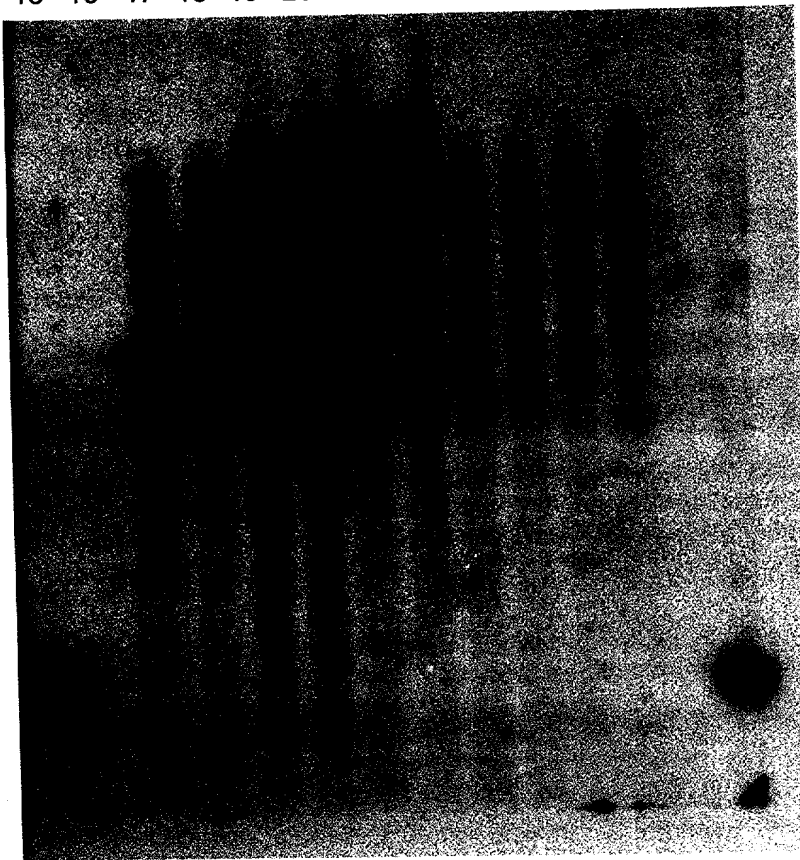
**FIG.\_6**

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15 16 17 18 19 20 21 22 23 24 25 26 27 28



**FIG.\_7**